

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

***** Welcome to STN International *****

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JAN 02	STN pricing information for 2008 now available
NEWS	3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	5	JAN 28	MARPAT searching enhanced
NEWS	6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	8	JAN 28	MEDLINE and LMEEDLINE reloaded with enhancements
NEWS	9	FEB 08	STN Express, Version 8.3, now available
NEWS	10	FEB 20	PCI now available as a replacement to DPCI
NEWS	11	FEB 25	IFIREF reloaded with enhancements
NEWS	12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS	14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS	15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS	16	MAR 31	CA/Caplus and CASREACT patent number format for U.S. applications updated
NEWS	17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS	18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	22	APR 28	IMSRESEARCH reloaded with enhancements
NEWS	23	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS	24	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS	25	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	26	JUN 06	KOREAPAT updated with 41,000 documents
NEWS	27	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS	28	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS	29	JUN 25	CA/Caplus and USPAT databases updated with IPC reclassification data
NEWS	30	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS	31	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated

organizations
 NEWS 32 JUN 30 STN on the Web enhanced with new STN AnaVist
 Assistant and BLAST plug-in
 NEWS 33 JUN 30 STN AnaVist enhanced with database content from EPFULL
 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
 AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.
 NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN Welcome Banner and News Items
 NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
 specific topic.

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 agreement. Please note that this agreement limits use to scientific
 research. Use for software development or design or implementation
 of commercial gateways or other similar uses is prohibited and may
 result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:03:28 ON 14 JUL 2008

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 08:04:09 ON 14 JUL 2008
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 13 JUL 2008 HIGHEST RN 1033821-28-1
 DICTIONARY FILE UPDATES: 13 JUL 2008 HIGHEST RN 1033821-28-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

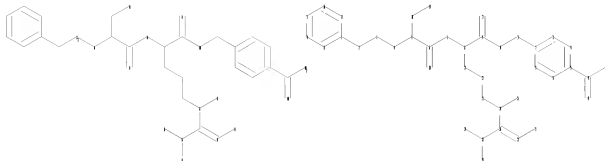
TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>
 Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
 files\10506579\10506579 elected specie.str



```

chain nodes :
 2  3  4  5  6  7  8  9  10  11  18  19  20  21  22  23  24  25  26  27  28  29  30
31 32 38 39 40
ring nodes :
 1  12 13 14 15 16 17 33 34 35 36 37
chain bonds :
1-2  2-3  3-4  4-5  5-6  5-18  6-7  6-20  7-8  8-9  8-21  9-10  9-32  10-11  11-12
18-19 21-22 22-23 23-24 24-25 24-26 26-27 26-28 27-31 28-29 28-30 35-38
38-39 38-40
ring bonds :
1-13 1-17 12-33 12-37 13-14 14-15 15-16 16-17 33-34 34-35 35-36 36-37
exact/norm bonds :
3-4  4-5  6-7  6-20  7-8  9-10  9-32  10-11  18-19  23-24  24-25  24-26  26-27
26-28 38-39 38-40
exact bonds :
1-2  2-3  5-6  5-18  8-9  8-21  11-12  21-22  22-23  27-31  28-29  28-30  35-38
normalized bonds :
1-13 1-17 12-33 12-37 13-14 14-15 15-16 16-17 33-34 34-35 35-36 36-37

```

```

Match level :
1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS
27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:Atom 34:Atom
35:Atom 36:Atom 37:Atom 38:CLASS 39:CLASS 40:CLASS

```

```

=> file reg
COST IN U.S. DOLLARS                               SINCE FILE      TOTAL
                                                    ENTRY      SESSION
FULL ESTIMATED COST                               8.28          8.49

```

FILE 'REGISTRY' ENTERED AT 08:14:42 ON 14 JUL 2008
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file

provided by InfoChem.

STRUCTURE FILE UPDATES: 13 JUL 2008 HIGHEST RN 1033821-28-1
DICTIONARY FILE UPDATES: 13 JUL 2008 HIGHEST RN 1033821-28-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

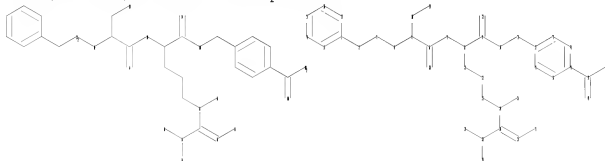
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Documents and Settings\PJZucker\My Documents\Examination Auxillary
files\10506579\10506579 elected specie.str



chain nodes :
2 3 4 5 6 7 8 9 10 11 18 19 20 21 22 23 24 25 26 27 28 29 30
31 32 38 39 40
ring nodes :
1 12 13 14 15 16 17 33 34 35 36 37
chain bonds :
1-2 2-3 3-4 4-5 5-6 5-18 6-7 6-20 7-8 8-9 8-21 9-10 9-32 10-11 11-12
18-19 21-22 22-23 23-24 24-25 24-26 26-27 26-28 27-31 28-29 28-30 35-38
38-39 38-40
ring bonds :
1-13 1-17 12-33 12-37 13-14 14-15 15-16 16-17 33-34 34-35 35-36 36-37
exact/norm bonds :
3-4 4-5 6-7 6-20 7-8 9-10 9-32 10-11 18-19 23-24 24-25 24-26 26-27
26-28 38-39 38-40
exact bonds :
1-2 2-3 5-6 5-18 8-9 8-21 11-12 21-22 22-23 27-31 28-29 28-30 35-38
normalized bonds :
1-13 1-17 12-33 12-37 13-14 14-15 15-16 16-17 33-34 34-35 35-36 36-37

Match level :

1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS
27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:Atom 34:Atom
35:Atom 36:Atom 37:Atom 38:CLASS 39:CLASS 40:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam

SAMPLE SEARCH INITIATED 08:15:11 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> search l1 exact full

FULL SEARCH INITIATED 08:15:29 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L3 0 SEA EXA FUL L1

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

69.97

78.46

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 08:27:52 ON 14 JUL 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'REGISTRY' AT 08:52:40 ON 14 JUL 2008
 FILE 'REGISTRY' ENTERED AT 08:52:40 ON 14 JUL 2008
 COPYRIGHT (C) 2008 American Chemical Society (ACS)

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

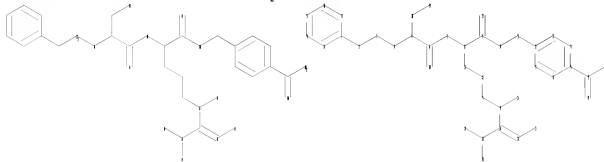
FULL ESTIMATED COST

69.97

78.46

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
 files\10506579\10506579 elected specie.str



chain nodes :

2 3 4 5 6 7 8 9 10 11 18 19 20 21 22 23 24 25 26 27 28 29 30
 31 32 38 39 40

ring nodes :

1 12 13 14 15 16 17 33 34 35 36 37

chain bonds :

1-2 2-3 3-4 4-5 5-6 5-18 6-7 6-20 7-8 8-9 8-21 9-10 9-32 10-11 11-12
 18-19 21-22 22-23 23-24 24-25 24-26 26-27 26-28 27-31 28-29 28-30 35-38
 38-39 38-40

ring bonds :

1-13 1-17 12-33 12-37 13-14 14-15 15-16 16-17 33-34 34-35 35-36 36-37

exact/norm bonds :

3-4 4-5 6-7 6-20 7-8 9-10 9-32 10-11 18-19 23-24 24-25 24-26 26-27
 26-28 38-39 38-40

exact bonds :

1-2 2-3 5-6 5-18 8-9 8-21 11-12 21-22 22-23 27-31 28-29 28-30 35-38

normalized bonds :

1-13 1-17 12-33 12-37 13-14 14-15 15-16 16-17 33-34 34-35 35-36 36-37

Match level :

1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
 10:CLASS 11:CLASS 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS
 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS
 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:Atom 34:Atom
 35:Atom 36:Atom 37:Atom 38:CLASS 39:CLASS 40:CLASS

=> d l4
L4 HAS NO ANSWERS
L4 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> search l4 sss sam
SAMPLE SEARCH INITIATED 08:53:15 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> search l4 sss full
FULL SEARCH INITIATED 08:53:25 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 6 TO ITERATE

100.0% PROCESSED 6 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L6 0 SEA SSS FUL L4

=> logoff hold
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 248.79 257.28

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:53:40 ON 14 JUL 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

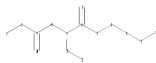
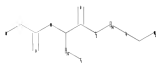
LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 08:58:10 ON 14 JUL 2008
FILE 'REGISTRY' ENTERED AT 08:58:10 ON 14 JUL 2008
COPYRIGHT (C) 2008 American Chemical Society (ACS)

COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 248.79 257.28

=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary
files\10506579\10506579 1st generic stab .str



```

chain nodes :
1  2  3  4  5   6  7  8  9  10  11  12  13  14  15  19  20  21
chain bonds :
1-2  2-3  3-4  3-10  4-5  5-6  5-11  6-7  6-13  7-8  8-9  9-14  11-12  14-15  20-21

exact/norm bonds :
1-2  3-4  3-10  4-5  6-7  6-13  7-8  8-9  9-14  11-12  14-15
exact bonds :
2-3  5-6  5-11  20-21

```

G1:O,S,N

G2:N, [*1], [*2]

G3:C,O,S,N

```

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:Atom
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 19:CLASS 20:CLASS
21:CLASS

```


L7 STRUCTURE UPLOADED

=> d 17

L7 HAS NO ANSWERS

L7 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> search 17 sss sam

SAMPLE SEARCH INITIATED 08:59:12 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 68070 TO ITERATE

2.9% PROCESSED 2000 ITERATIONS

4 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1345856 TO 1376944

PROJECTED ANSWERS: 2022 TO 3422

L8 4 SEA SSS SAM L7

=> d scan

L8 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Prolinamide, N-acetyl-L-tryptophyl-L-phenylalanyl-L-leucyl-L- α -
aspartyl-L-asparaginyll-L-alanyl- (9CI)

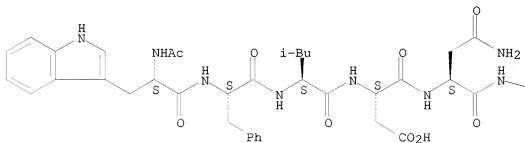
SQL 7

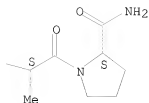
MF C44 H58 N10 O11

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):4

L8 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN α 7-19-Corticotropin, 8-D-lysine-9-L-phenylalanine-19-L-prolinamide-
(9CI)

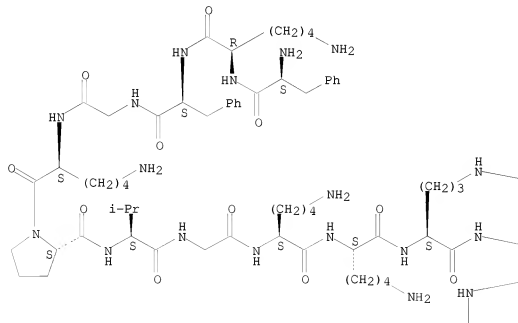
SQL 13

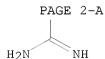
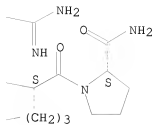
MF C73 H122 N24 O13

CI COM

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



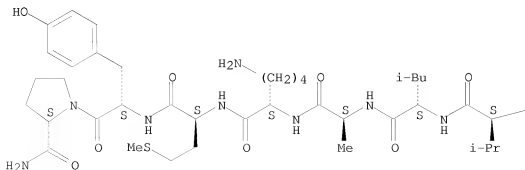


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

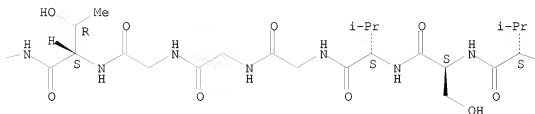
L8 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Gastrin-releasing peptide (swine), 16-L-prolinamide-17-de-L-arginine-18-
 deglycine-19-de-L-asparagine-20-de-L-histidine-21-de-L-tryptophan-22-de-L-
 alanine-23-de-L-valine-24-deglycine-25-de-L-histidine-26-de-L-leucine-27-
 de-L-methioninamide- (9CI)
 SQL 16
 MF C70 H116 N18 O19 S

RELATED SEQUENCES AVAILABLE WITH SEQLINK

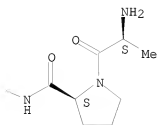
Absolute stereochemistry.



PAGE 1-B



PAGE 1-C



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

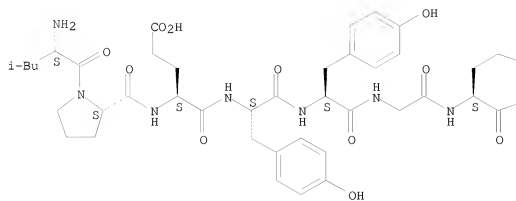
L8 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Prolinamide, L-leucyl-L-prolyl-L- α -glutamyl-L-tyrosyl-L-
tyrosylglycyl-L- α -glutamyl-L-asparaginyl-L-leucyl-L- α -aspartyl-
L-alanyl-L-leucyl-L-tryptophyl-L- α -aspartyl-L-alanyl-L-leucyl-L-
threonylglycyl-L-tryptophyl-L-valyl-L- α -glutamyl-L-tyrosyl- (9CI)

SQL 23

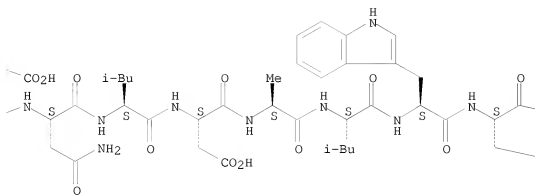
MF C129 H177 N27 O38

Absolute stereochemistry.

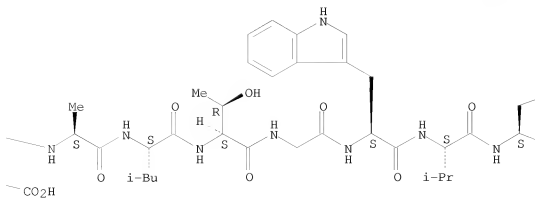
PAGE 1-A

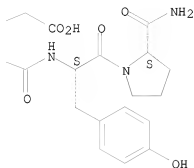


PAGE 1-B



PAGE 1-C





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

252.01

260.50

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 09:02:31 ON 14 JUL 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'REGISTRY' AT 09:18:02 ON 14 JUL 2008

FILE 'REGISTRY' ENTERED AT 09:18:02 ON 14 JUL 2008

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

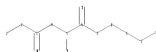
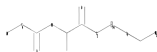
FULL ESTIMATED COST

252.01

260.50

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10506579\10506579 modified 1st generic stab .str



```

chain nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13  14  16  17  18
chain bonds :
1-2  2-3  3-4  3-10  4-5  5-6  5-11  6-7  6-12  7-8  8-9  9-13  13-14  17-18
exact/norm bonds :
1-2  2-3  3-4  3-10  4-5  6-7  6-12  7-8  8-9  9-13  13-14
exact bonds :
5-6  5-11  17-18

```

G1:O,S,N

G2:N, [*1], [*2]

G3:C,O,S,N

G4:CH,N

```

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:Atom
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 16:CLASS 17:CLASS 18:CLASS

```

L9 STRUCTURE UPLOADED

=> d 19

L9 HAS NO ANSWERS

L9 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> search 19 sss sam

SAMPLE SEARCH INITIATED 09:18:39 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 68326 TO ITERATE

2.9% PROCESSED 2000 ITERATIONS

4 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 1350948 TO 1382092

PROJECTED ANSWERS: 2032 TO 3434

L10 4 SEA SSS SAM L9

=> d scan

L10 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

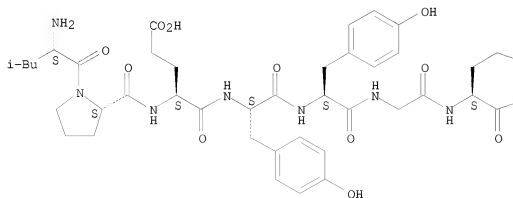
IN L-Prolinamide, L-leucyl-L-prolyl-L- α -glutamyl-L-tyrosyl-L-tyrosylglycyl-L- α -glutamyl-L-asparaginyl-L-leucyl-L- α -aspartyl-L-alanyl-L-leucyl-L-tryptophyl-L- α -aspartyl-L-alanyl-L-leucyl-L-threonylglycyl-L-tryptophyl-L-valyl-L- α -glutamyl-L-tyrosyl- (9CI)

SQL 23

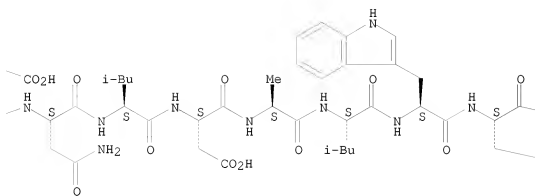
MF C129 H177 N27 O38

Absolute stereochemistry.

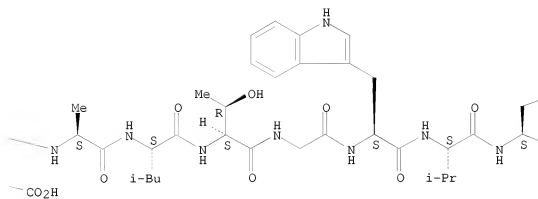
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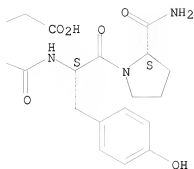


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PAGE 1-C



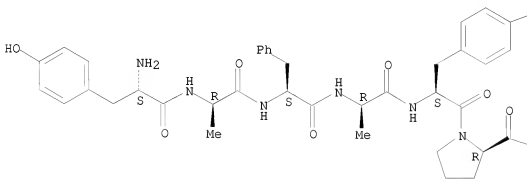


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):4

L10 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Dermorphin, 4-D-alanine-6-D-prolinamide-7-de-L-serinamide- (9CI)
 SQL 6
 MF C38 H47 N7 O8

Absolute stereochemistry.



OH

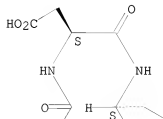
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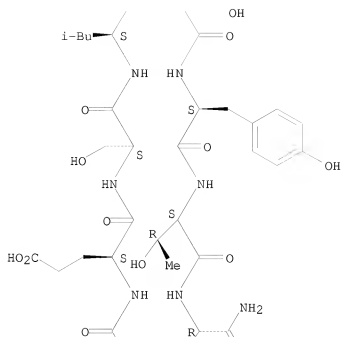
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L10 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN 3-31- α -Epidermal growth factor (mouse salivary gland reduced),
 3-(N-acetyl-L-tyrosine)-31-L-cysteinamide-, cyclic
 (6 \rightarrow 14), (20 \rightarrow 31)-bis(disulfide) (9CI)
 SQL 29
 MF C135 H191 N33 O46 S5

RELATED SEQUENCES AVAILABLE WITH SEQLINK

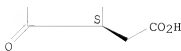
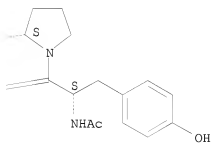
Absolute stereochemistry.





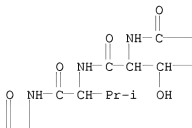
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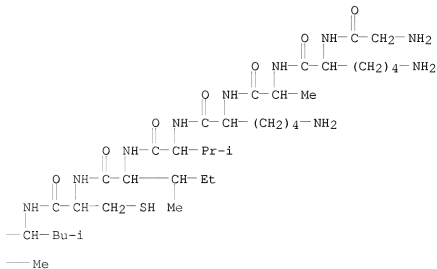


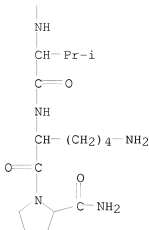
SOL. 25

PAGE 1-A



PAGE 1-B





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> search l9 sss full
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 FULL SCREEN SEARCH COMPLETED - 1362278 TO ITERATE

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70.0% PROCESSED	953387 ITERATIONS	2809 ANSWERS
72.8% PROCESSED	991764 ITERATIONS	2857 ANSWERS
73.4% PROCESSED	1000000 ITERATIONS	2858 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.51

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 BATCH **COMPLETE**
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 PROJECTED ANSWERS: 3706 TO 4080

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 ANSWER SET L11 HAS BEEN SAVED AS 'RAWMSTRSET/A'

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	431.75	440.24

FILE 'CAPLUS' ENTERED AT 09:20:25 ON 14 JUL 2008
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FILE COVERS 1907 - 14 Jul 2008 VOL 149 ISS 3

FILE LAST UPDATED: 13 Jul 2008 (20080713/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

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L12 653 L11

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54 UROKINASES

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(UROKINASE OR UROKINASES)

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=> l14 and l15

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L19 4 L14 AND L18

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L19 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

TI Use of proteinase inhibitors in the treatment of autoimmune diseases

AN 2003:678650 CAPLUS

DN 139:207776

TI Use of proteinase inhibitors in the treatment of autoimmune diseases

IN Jacob, Uwe; Sondermann, Peter; Huber, Robert

PA Max-Planck-Gesellschaft Zur Foerderung Der Wissenschaften E.V., Germany
 SO PCT Int. Appl., 32 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

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	AU 2003206945	A1	20030909	AU 2003-206945 DE 2002-10207744 DE 2002-10241411 WO 2003-EP1807	20030221 A 20020222 A 20020906 W 20030221

OS MARPAT 139:207776

AB The invention discloses the use of at least one substance that inhibits proteases, especially serine proteases, in the treatment of diseases or conditions that are characterized by excess immunoreactivity, especially excessive or undesired activation of immune cells, production of antibodies, or complement activation.

L19 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 TI Identification of target-specific folding sites in peptides and proteins
 AN 2002:637788 CAPLUS
 DN 137:179841
 TI Identification of target-specific folding sites in peptides and proteins
 IN Sharma, Shubh D.; Shi, Yi-Qun
 PA Palatin Technologies, Inc., USA
 SO PCT Int. Appl., 165 pp.
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DT Patent
 LA English
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PATENT FAMILY INFORMATION:

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			US 2003-444129P	P	20030131
			US 2003-464117	A2	20030617

AB The invention provides methods for identification and determination of target-specific folding sites in peptides and proteins, including a method for determining a secondary structure binding to a target of interest within a known parent polypeptide that binds to the target of interest. In one embodiment of the invention, a residue or mimetic containing a nitrogen atom and a sulfur atom available for binding to a metal ion is serially substituted for single residues in or inserted between two adjacent residues in a known primary sequence of a peptide or protein. The resulting sequence, which includes a min. of the residue or mimetic containing a nitrogen atom and a sulfur atom available for binding to a metal ion and two residues on the amino terminus side thereof, is complexed with a metal ion, thereby forming a metallopeptide. The resulting metallopeptides are then used in binding or functional assays related to the target of interest, and the metallopeptide demonstrating binding or functional activity is selected. The invention further provides methods to determine the specific sequence and local three-dimensional structure of that portion of peptides or proteins that bind to a receptor or target of interest, or mediate a biol. activity of interest and methods to determine the pharmacophore of receptors or targets of interest. The invention provides for defined pharmacophores or receptors or targets of interest and directed libraries for identification and determination of target-specific folding sites in peptides and proteins and for identification and determination of pharmacophores of receptors or targets of interest.

L19 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 TI Preparation of peptides as inhibitors of urokinase and blood vessel formation
 AN 2002:609967 CAPLUS
 DN 137:140782
 TI Preparation of peptides as inhibitors of urokinase and blood vessel formation
 IN Brunck, Terence K.; Tamura, Susan Y.
 PA Corvas International, Inc., USA
 SO U.S., 68 pp., Cont. of U.S. Ser. No. 121,921.
 CODEN: USXXAM
 DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6432922	B1	20020813	US 1999-359929	19990722
	US 6576613	B1	20030610	US 1998-121921	A2 19980724
				US 1998-121921	19980724

PATENT FAMILY INFORMATION:

FAN 2000:84824

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000005245	A2	20000203	WO 1999-US16577	19990722
	WO 2000005245	A3	20000420		
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	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			US 1998-121921	19980724
	US 6576613	B1	20030610	US 1998-121921	19980724
	CA 2338524	A1	20000203	CA 1999-2338524	19990722
				US 1998-121921	A 19980724
				WO 1999-US16577	W 19990722
	AU 9950058	A	20000214	AU 1999-50058	19990722
	AU 772024	B2	20040408		
				US 1998-121921	A 19980724
				WO 1999-US16577	W 19990722
EP	1100814	A2	20010523	EP 1999-934173	19990722
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				WO 1999-US16577	W 19990722
	JP 2002521386	T	20020716	JP 2000-561201	19990722
				US 1998-121921	A 19980724
				WO 1999-US16577	W 19990722
	NZ 509400	A	20031219	NZ 1999-509400	19990722
				US 1998-121921	A 19980724
				WO 1999-US16577	W 19990722

OS MARPAT 137:140782

AB Peptides R1-X-NHCH(R2)CON(R3)CH(R4)CONHR5 [X = SO₂, NR'SO₂, CO, O₂C, NHCO, P(O)R', or a direct link, where R' = H, alkyl, aryl, aralkyl; R1 = (cyclo)alkyl, heterocycloalkyl, aryl, etc.; R2 = H, CH₂CH₂O₂A₂, CHR₆OH, CHR₆O₂A₂, CH₂NH-X'-R₆, where A₂ = CO₂R₉ or COR₉; X' = CO or CO₂; R₆ = H, Me, phenethyl, or benzyl; R₉ = (cyclo)alkyl, heterocycloalkyl, aryl, etc.; R₃ = H, Me; R₄ = H, CH₂SM_e, CH₂OH, CH₂CN, alkyl, propargyl, 2-propenyl, vinyl; or R₃ and R₄ together form prolyl, piperidyl, azetidine-2-carbonyl, 3- or 4-hydroxyprolyl, 3,4-dehydroprolyl (the carbonyl bearing R₄ is in the S configuration); R₅ = (S)-CH(CH₂R₇)CHO or (S)-CH[CH₂CH₂CH₂NHC(:NH)NH₂]COCO-Al, where R₇ = guanidinoalkyl, 3- or 4-amidinophenyl, 1-amidinopiperidin-3(or 4)-yl and Al is alkyl- or arylamino (with provisos)] or their pharmaceutically-acceptable salts were prepared as inhibitors of urokinase and blood vessel formation. These compds. have an arginine or arginine mimic aldehyde or an arginine ketoamide group at P1. Thus, N-(isobutyroxy carbonyl)-D-seryl-L-alanylarginyl (1) was prepared by the solid-phase method and showed IC₅₀ < 100 nm for inhibition of urokinase-type plasminogen activator (uPA). Compound 1 was also evaluated for inhibition of angiogenesis in vivo and growth of human tumor cells in a chick embryo model.

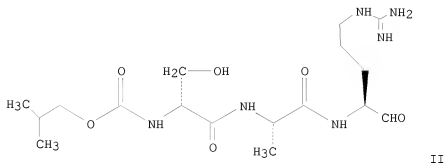
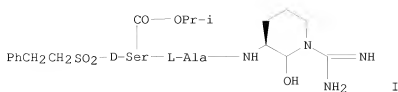
RE.CNT 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
TI Preparation of peptides as inhibitors of urokinase and blood
vessel formation
AN 2000:84824 CAPLUS
DN 132:137731
TI Preparation of peptides as inhibitors of urokinase and blood
vessel formation
IN Brunck, Terence K.; Tamura, Susan Y.
PA Corvas International, Inc., USA
SO PCT Int. Appl., 194 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000005245	A2	20000203	WO 1999-US16577	19990722
	WO 2000005245	A3	20000420		
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	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6576613	B1	20030610	US 1998-121921	A 19980724
	CA 2338524	A1	20000203	US 1998-121921	19980724
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				US 1998-121921	A 19980724
	AU 9950058	A	20000214	WO 1999-US16577	W 19990722
	AU 772024	B2	20040408	US 1999-50058	19990722
				US 1998-121921	A 19980724
				WO 1999-US16577	W 19990722
	EP 1100814	A2	20010523	EP 1999-934173	19990722
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
				US 1998-121921	A 19980724
				WO 1999-US16577	W 19990722
	JP 2002521386	T	20020716	JP 2000-561201	19990722
				US 1998-121921	A 19980724
				WO 1999-US16577	W 19990722
	NZ 509400	A	20031219	NZ 1999-509400	19990722
				US 1998-121921	A 19980724
				WO 1999-US16577	W 19990722

PATENT FAMILY INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FAN	2002:609967				
PI	US 6432922	B1	20020813	US 1999-359929	19990722
				US 1998-121921	A2 19980724
	US 6576613	B1	20030610	US 1998-121921	19980724
OS	MARPAT 132:137731				
GI					



AB Title compds. RXNHCH(R1)CON(R2)CH(R4)CONHR3 [X = SO2, CO, OCO, NHCO; R = alkyl, cycloalkyl, heterocycloalkyl; R1 = HOCH2, CH3SCH2, side-chain or ring of amino acid ; R2 = CH3, CH3CH2, side-chain or ring of amino acid; R3 = CH3, propargyl; R4 = H; R3R4 = prolyl, 4-hydroxyprolyl, 3-hydroxyprolyl, 3,4-dehydroprolyl;] and stereoisomers are prepared having activities as inhibitors of urokinase and in reducing or inhibiting blood vessel formations. These compds. have an arginine or arginine mimic aldehyde or an arginine ketoamide group at P1. These compds. are useful in vitro for monitoring plasminogen activator levels and in vivo in treatment of conditions which are ameliorated by inhibition of or decreased activity of urokinase and in treating pathol. conditions wherein blood vessel formation is related to a pathol. condition. The title compds. I and II was prepared

=> d his

(FILE 'HOME' ENTERED AT 08:03:28 ON 14 JUL 2008)

FILE 'REGISTRY' ENTERED AT 08:04:09 ON 14 JUL 2008

FILE 'REGISTRY' ENTERED AT 08:14:42 ON 14 JUL 2008

L1	STRUCTURE UPLOADED
L2	0 SEARCH L1 SSS SAM
L3	0 SEARCH L1 EXACT FULL
L4	STRUCTURE UPLOADED
L5	0 SEARCH L4 SSS SAM
L6	0 SEARCH L4 SSS FULL
L7	STRUCTURE UPLOADED
L8	4 SEARCH L7 SSS SAM
L9	STRUCTURE UPLOADED
L10	4 SEARCH L9 SSS SAM
L11	2858 SEARCH L9 SSS FULL
	SAVE TEMP L11 RAWMSTRSET/A

FILE 'CAPLUS' ENTERED AT 09:20:25 ON 14 JUL 2008

SINCE FILE	TOTAL
ENTRY	SESSION
45.87	486.11
SINCE FILE	TOTAL
ENTRY	SESSION

CA SUBSCRIBER PRICE -3.20 -3.20

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:08:38 ON 14 JUL 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 10:52:47 ON 14 JUL 2008
FILE 'CAPLUS' ENTERED AT 10:52:47 ON 14 JUL 2008
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	45.87	486.11
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.20	-3.20

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	45.87	486.11
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
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CA SUBSCRIBER PRICE	-3.20	-3.20

SESSION WILL BE HELD FOR 120 MINUTES
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Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

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FILE 'CAPLUS' ENTERED AT 12:07:24 ON 14 JUL 2008
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	45.87	486.11
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.20	-3.20

=> logoff hold		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	45.87	486.11
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.20	-3.20

SESSION WILL BE HELD FOR 120 MINUTES
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Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

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FILE 'CAPLUS' ENTERED AT 12:57:36 ON 14 JUL 2008
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	45.87	486.11
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.20	-3.20

=> d his

(FILE 'HOME' ENTERED AT 08:03:28 ON 14 JUL 2008)

FILE 'REGISTRY' ENTERED AT 08:04:09 ON 14 JUL 2008

FILE 'REGISTRY' ENTERED AT 08:14:42 ON 14 JUL 2008

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L1      STRUCTURE UPLOADED
L2      0 SEARCH L1 SSS SAM
L3      0 SEARCH L1 EXACT FULL
L4      STRUCTURE UPLOADED
L5      0 SEARCH L4 SSS SAM
L6      0 SEARCH L4 SSS FULL
L7      STRUCTURE UPLOADED
L8      4 SEARCH L7 SSS SAM
L9      STRUCTURE UPLOADED
L10     4 SEARCH L9 SSS SAM
L11     2858 SEARCH L9 SSS FULL
          SAVE TEMP L11 RAWMSTRSET/A

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FILE 'CAPLUS' ENTERED AT 09:20:25 ON 14 JUL 2008

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L12     653 L11
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L14     26 L12 AND L13
L15     37753 ARG
L16     37753 L15 AND L15

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L17 0 L14 AND L15
L18 123282 ARGININE
L19 4 L14 AND L18
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 SAVE TEMP ALL URKINSRCH/L

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	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.20	-3.20

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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provided by InfoChem.

STRUCTURE FILE UPDATES: 13 JUL 2008 HIGHEST RN 1033821-28-1
DICTIONARY FILE UPDATES: 13 JUL 2008 HIGHEST RN 1033821-28-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

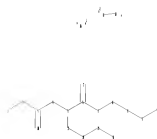
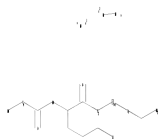
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REGISTRY includes numerically searchable data for experimental and
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<http://www.cas.org/support/stngen/stndoc/properties.html>

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28-29 29-30
exact/norm bonds :
1-2  2-3  3-4  3-10 4-5  6-7  6-12 7-8  8-9  9-13 13-14 29-30
exact bonds :
5-6  5-11 11-28 17-18 28-29

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G1:O,S,N

G2:N, [*1], [*2]

G3:C,O,S,N

G4:CH,N

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Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:Atom
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 16:CLASS 17:CLASS 18:CLASS
28:CLASS 29:CLASS 30:CLASS

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L20 STRUCTURE UPLOADED

=> d l20

L20 HAS NO ANSWERS

L20 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SUBSET SCREEN SEARCH COMPLETED - 65 TO ITERATE

100.0% PROCESSED 65 ITERATIONS

21 ANSWERS

SEARCH TIME: 00.00.01

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ONLINE **COMPLETE**

PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET):

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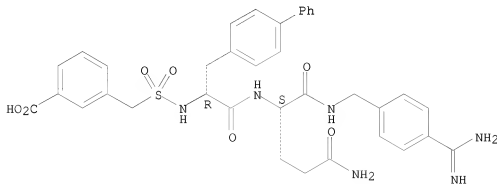
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L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Glutamamide, 3-[[1,1'-biphenyl]-4-yl-N-[[(3-carboxyphenyl)methylsulfonyl
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MF C36 H38 N6 O7 S

Absolute stereochemistry.



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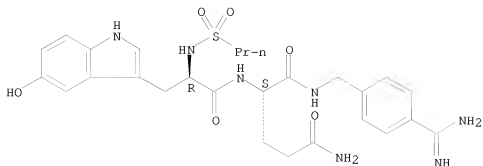
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L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

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 (aminoiminomethyl)phenyl)methyl]- (9CI)

MF C27 H35 N7 O6 S

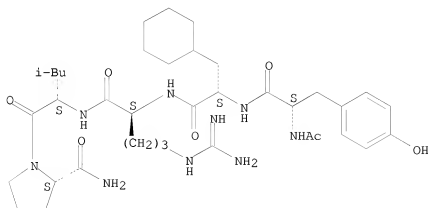
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN L-Prolinamide, N-acetyl-L-tyrosyl-3-cyclohexyl-L-alanyl-L-arginyl-L-leucyl-
 (9CI)
 SQL 5
 MF C37 H59 N9 O7

Absolute stereochemistry.

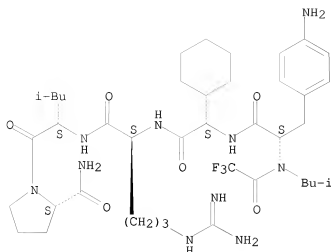


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
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 phenylalanyl-(2S)-2-cyclohexylglycyl-L-arginyl-L-leucyl- (9CI)
 SQL 5
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RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

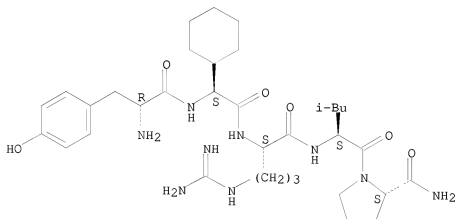


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
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 SQL 5
 MF C34 H55 N9 O6

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
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 arginyl-L-asparaginyl-L-histidyl-L-lysyl-L-lysyl-L-phenylalanyl-, cyclic
 (5→11), (6→19)-bis(disulfide) (9CI)
 SQL 19
 MF C99 H156 N36 O21 S4

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 *** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN L-Cysteinamide, N-acetyl-L-tyrosyl-L-arginyl-L-cysteinyl-L- α -
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 cyclic (3-9)-disulfide (9CI)

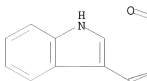
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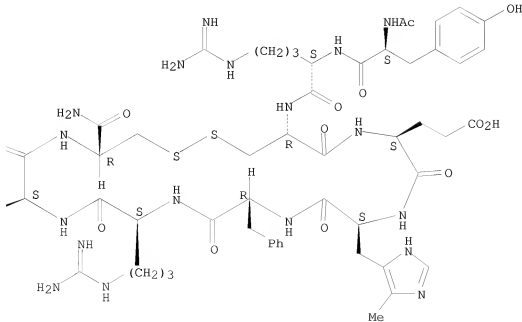
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Cysteinamide, N-acetyl-L- α -aspartyl-L-leucyl-L-glutaminy-L-cysteiny-L-alanyl-L-isoleucyl-L-lysyl-L-cysteiny-L-arginyl-L-alanylglycyl-L- α -glutamyl-L-prolyl-L-alanyl-L-glutaminy-L-cysteiny-L-asparaginyL-, cyclic (4+16), (8+18)-bis(disulfide) (9CI)
SQL 18
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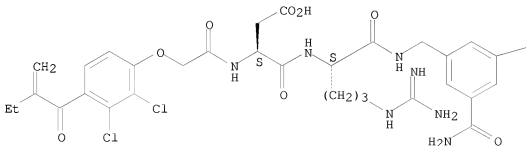
RELATED SEQUENCES AVAILABLE WITH SEQLINK

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*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

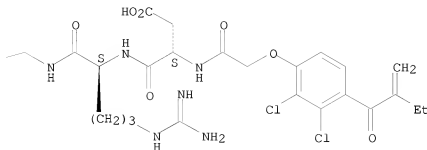
L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Argininamide, 2,2'-[[15-(aminocarbonyl)-1,3-phenylene]bis(methylene)]bis[N-[[2,3-dichloro-4-(2-methylene-1-oxobutyl)phenoxy]acetyl]-L- α -aspartyl- (9CI)
MF C55 H67 Cl4 N13 O15

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



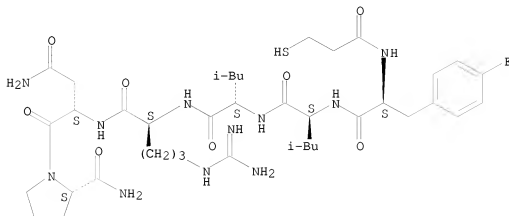
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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IN L-Prolinamide, 4-fluoro-N-(3-mercapto-1-oxopropyl)-L-phenylalanyl-L-leucyl-L-leucyl-L-arginyl-L-asparaginyL- (9CI)
SQL 6

MF C39 H62 F N11 O8 S

RELATED SEQUENCES AVAILABLE WITH SEQLINK

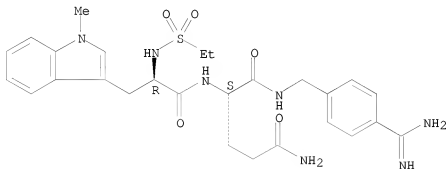
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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MF C27 H35 N7 O5 S

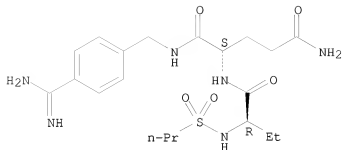
Absolute stereochemistry.



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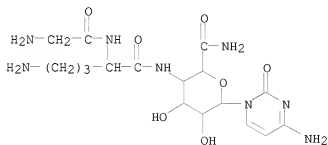
L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Pentanediamide, N1-[[4-(aminoiminomethyl)phenyl)methyl]-2-[[[(2R)-1-oxo-2-[(propylsulfonyl)amino]butyl)amino]-, (2S)-
MF C20 H32 N6 O5 S

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN Hexopyranuronamide, 1-(4-amino-2-oxo-1(2H)-pyrimidinyl)-1,4-dideoxy-4-
 [(glycylornithyl)amino]- (9CI)
 MF C17 H28 N8 O7

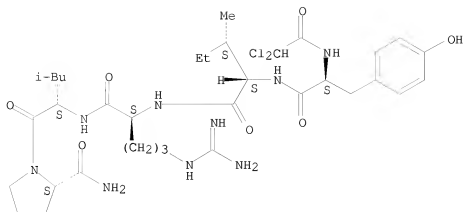


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN L-Prolinamide, N-(dichloroacetyl)-L-tyrosyl-L-isoleucyl-L-arginyl-L-leucyl-
 (9CI)
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RELATED SEQUENCES AVAILABLE WITH SEQLINK

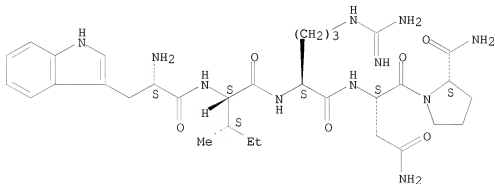
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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L21 21 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
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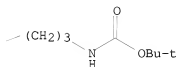
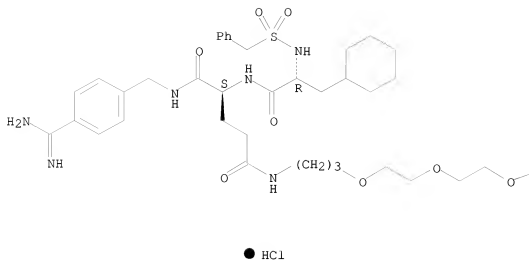
Absolute stereochemistry.



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(aminoiminomethyl)phenyl]methyl]-N5-(17,17-dimethyl-15-oxo-4,7,10,16-
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MF C44 H69 N7 O10 S . Cl H

Absolute stereochemistry.

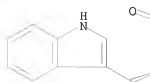


L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN L-Cysteinamide, N-acetyl-L-tyrosyl-L-arginyl-L-cysteinyl-L- α -
 glutamyl-L-histidyl-4-chloro-D-phenylalanyl-L-arginyl-L-tryptophyl-,
 cyclic (3-9)-disulfide (9CI)
 SQL 9
 MF C60 H78 Cl N19 O13 S2

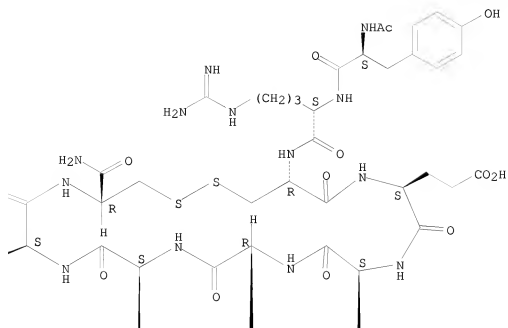
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

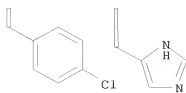
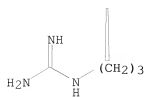
PAGE 1-A



PAGE 1-B



PAGE 2-B



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L21 21 ANSWERS  REGISTRY  COPYRIGHT 2008 ACS on STN
IN  L-Cysteinamide, N-acetyl-L-tyrosyl-L-arginyl-L-cysteinyl-L-α-
    glutamyl-3-(1H-1,2,4-triazol-3-yl)-L-alanyl-D-phenylalanyl-L-arginyl-L-
    tryptophyl-, cyclic (3→9)-disulfide (9CI)
SQL 9
MF  C59 H78 N20 O13 S2

```

Absolute stereochemistry.

O=C1C=CC2=C1C(=O)N2

The chemical structure represents a complex cyclic peptide, likely a cyclic decapeptide. The main ring consists of ten amino acid residues linked by peptide bonds. The side chains include a guanidino group, a thioether-linked side chain, a carboxylic acid group, a phenyl group, and a thiazole ring. The structure is highly detailed, showing stereochemistry and various functional groups.


```
L21 21 ANSWERS  REGISTRY  COPYRIGHT 2008 ACS on STN
IN  L-Prolinamide, L-seryl-L-leucyl-L-prolyl-L-prolyl-L-arginyl-L-alanyl-L-
    leucyl-L-glutaminy-L-seryl- (9CI)
SQL 10
MF  C47 H81 N15 O13
```

Absolute stereochemistry.

Chemical structure of compound 10, showing a complex molecule with two thiazolidine rings, a central amide linkage, and various side chains including a hydroxymethyl group, a tert-butyl group, and a trimethylammonium group.

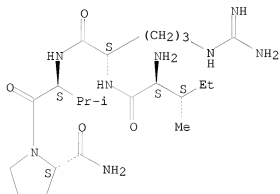
CC(=O)N[C@@H](S)C(=O)NCCNC(=O)N1CCSC1C(=O)R

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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MF C22 H42 N8 O4

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

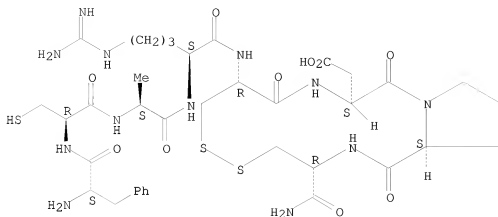


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L21 21 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN L-Cysteinamide, L-phenylalanyl-L-cysteinyl-L-alanyl-L-arginyl-L-cysteinyl-
L- α -aspartyl-L-prolyl-, cyclic (5-8)-disulfide (9CI)
SQL 8
MF C36 H54 N12 O10 S3

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



ALL ANSWERS HAVE BEEN SCANNED

=> e L-Glutamide,
 3-(1,1'-biphenyl)-4-yl-N-(((3-carboxyphenyl)methyl)sulfonyl)-D-alanyl-N1-((4-(aminoiminoethyl)phenyl)methyl)-/cn
 MISMATCHED QUOTE IN EXPAND TERM
 Quotation marks (or apostrophes) must be used in pairs,
 one before and one after the expression you are setting
 off or masking.

=> e L-Glutamide,
 3-1,1'-biphenyl-4-yl-N-(((3-carboxyphenyl)methyl)sulfonyl)-D-alanyl-N1-((4-(aminoiminoethyl)phenyl)methyl)-/cn
 MISMATCHED QUOTE IN EXPAND TERM
 Quotation marks (or apostrophes) must be used in pairs,
 one before and one after the expression you are setting
 off or masking.

=> e L-Glutamide,
 3-(1,1'-biphenyl)-4-yl-N-(((3-carboxyphenyl)methyl)sulfonyl)-D-alanyl-N1-((4-(aminoiminoethyl)phenyl)methyl)-/cn

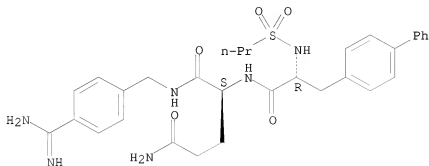
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E2	1	L-GLUTAMAMIDE, 3-(1,1'-BIPHENYL)-4-YL-N-(PROPYLSULFONYL)-D-A LANYL-N1-((4-(AMINOIMINOMETHYL)PHENYL)METHYL)-/CN
E3	0 -->	L-GLUTAMAMIDE, 3-(1,1'-BIPHENYL)-4-YL-N-(((3-CARBOXYPHENYL)ME THYL)SULFONYL)-D-ALANYL-N1-((4-(AMINOIMINOMETHYL)PHENYL)METH YL)-/CN
E4	1	L-GLUTAMAMIDE, 3-(1-NAPHTHALENYL)-L-ALANYL-L-THREONYL-L-ALP HA.-ASPARTYL-L-LEUCYL-L-VALYL-L-ALANYL-L-ISOLEUCYL-/CN
E5	1	L-GLUTAMAMIDE, 3-(1-NAPHTHALENYL)-L-ALANYL-N1-(2-HYDROXY-4-M ETHOXY-1-(2-METHYLPROPYL)-4-OXOBUTYL)-, (S-(R*,R*))-/CN
E6	1	L-GLUTAMAMIDE, 3-(1-NAPHTHALENYL)-N-(3-PYRIDINYLCARBONYL)-L- ALANYL-N1-(4-((5-AMINO-1-(AMINOCARBONYL)PENTYL)AMINO)-2-HYDR OXY-1-(2-METHYLPROPYL)-4-OXOBUTYL)-, (1S-(1R*,2R*,4(R*)))/-C N
E7	1	L-GLUTAMAMIDE, 3-(1-NAPHTHALENYL)-N-(3-PYRIDINYLCARBONYL)-L- ALANYL-N1-(4-((5-AMINO-1-(AMINOCARBONYL)PENTYL)AMINO)-2-HYDR OXY-1-(2-METHYLPROPYL)-4-OXOBUTYL)-, MONOHYDROCHLORIDE, (1S- (1R*,2R*,4(R*)))/-CN
E8	1	L-GLUTAMAMIDE, 3-(1-NAPHTHALENYL)-N-(3-PYRIDINYLCARBONYL)-L- ALANYL-N1-(4-((5-AMINO-1-(HYDROXYMETHYL)PENTYL)AMINO)-2-HYDR

OXY-1-(2-METHYLPROPYL)-4-OXOBUTYL)-, (1S-(1R*,2R*,4(R*)))-/C
N
E9 1 L-GLUTAMAMIDE, 3-(1-NAPHTHALENYL)-N-(3-PYRIDINYLCARBONYL)-L-
ALANYL-N1-(4-((5-AMINO-1-(HYDROXYMETHYL)PENTYL)AMINO)-2-HYDR
OXY-1-(2-METHYLPROPYL)-4-OXOBUTYL)-, DIHYDROCHLORIDE, (1S-(1
R*,2R*,4(R*)))-/CN
E10 1 L-GLUTAMAMIDE, 3-(2-NAPHTHALENYL)-N-(2-THIENYLCARBONYL)-L-AL
ANYL-/CN
E11 1 L-GLUTAMAMIDE, 3-(3',5'-BIS(TRIFLUOROMETHYL)(1,1'-BIPHENYL)-
4-YL)-N-(ETHYLSULFONYL)-D-ALANYL-N1-((4-(AMINOIMINOMETHYL)PH
ENYL)METHYL)-/CN
E12 1 L-GLUTAMAMIDE, 3-(3',5'-BIS(TRIFLUOROMETHYL)(1,1'-BIPHENYL)-
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/CN
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L22 1 "L-GLUTAMAMIDE, 3-(1,1'-BIPHENYL)-4-YL-N-(PROPYLSULFONYL)-D-ALAN
YL-N1-((4-(AMINOIMINOMETHYL)PHENYL)METHYL)-"/CN

=> d 122

L22 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN 446847-11-6 REGISTRY
ED Entered STN: 05 Sep 2002
CN L-Glutamamide, 3-[1,1'-biphenyl]-4-yl-N-(propylsulfonyl)-D-alanyl-N1-
[[4-(aminoiminomethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C31 H38 N6 O5 S
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
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FULL ESTIMATED COST

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FILE COVERS 1907 - 14 Jul 2008 VOL 149 ISS 3
 FILE LAST UPDATED: 13 Jul 2008 (20080713/ED)

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=> 122

L23 1 L22

=> d 123

L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2002:615652 CAPLUS
 DN 137:169797
 TI Preparation of peptide derivatives as factor VIIa inhibitors
 IN Shiraishi, Takuya; Kadono, Shojiro; Haramura, Masayuki; Sato, Haruhiko; Kozono, Toshiro; Koga, Takaki; Sakamoto, Akihisa
 PA Chugai Seiyaku Kabushiki Kaisha, Japan
 SO PCT Int. Appl., 246 pp.
 CODEN: P1XXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002230136	A1	20020819	AU 2002-230136	20020204
	EP 1364960	A1	20031126	EP 2002-711294	20020204
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	US 20040087511	A1	20040506	US 2003-470801	20030801

US 7001887 B2 20060221
PRAI JP 2001-27474 A 20010202
WO 2002-JP883 W 20020204

OS MARPAT 137:169797

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
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DICTIONARY FILE UPDATES: 13 JUL 2008 HIGHEST RN 1033821-28-1

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L5 0 SEARCH L4 SSS SAM
L6 0 SEARCH L4 SSS FULL
L7 STRUCTURE UPLOADED
L8 4 SEARCH L7 SSS SAM
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L22      1 E2

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FULL SUBSET SCREEN SEARCH COMPLETED - 1411 TO ITERATE

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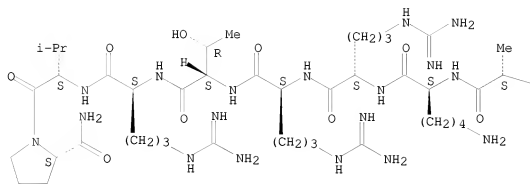
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IN L-Prolinamide, L-cysteinylglycylglycylglycyl-L-arginyl-L-isoleucyl-L-
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threonyl-L-arginyl-L-valyl-
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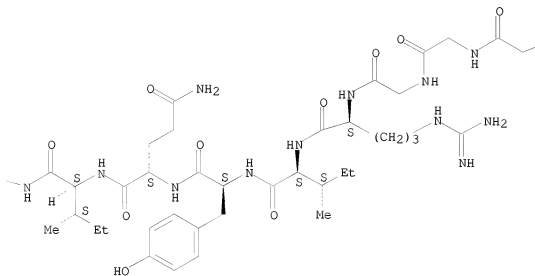
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Absolute stereochemistry.

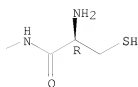
PAGE 1-A



PAGE 1-B



PAGE 1-C



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L24 490 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Prolinamide, L-threonyl-L-tryptophyl-L-alanyl-L-arginyl-L-asparaginyl-S-
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cysteinyll-L-arginyl-L-leucyl-

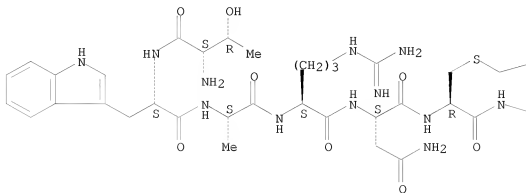
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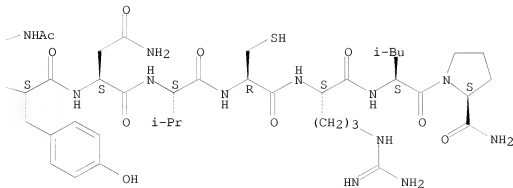
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 490 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN L-Cysteinamide, N-acetyl-L- α -aspartyl-L-leucyl-L-glutaminyll-L-
cysteinyll-L-alanyl-L-isoleucyl-L-lysyl-L-cysteinyll-L-arginyl-L-

SOL. 18

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L24 490 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

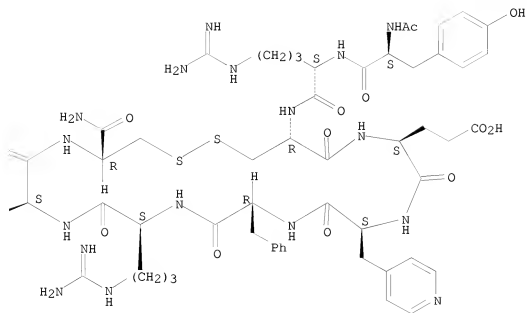
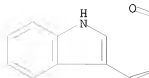
MF C3

L24 490 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

cyl

MF C6

Absolute stereochemistry.

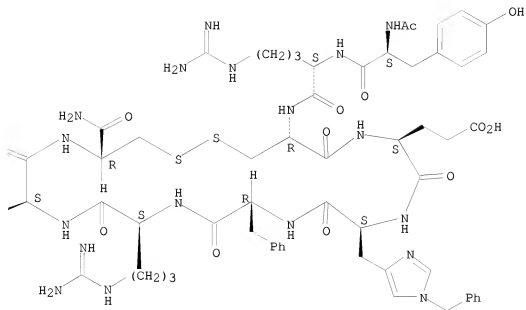
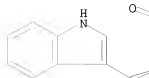


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 490 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN L-Cysteinamide, N-acetyl-L-tyrosyl-L-arginyl-L-cysteinyl-L- α -
 glutamyl-1-(phenylmethyl)-L-histidyl-D-phenylalanyl-L-arginyl-L-tryptophyl-
 , cyclic (3-9)-disulfide (9CI)
 SQL 9
 MF C67 H85 N19 O13 S2

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

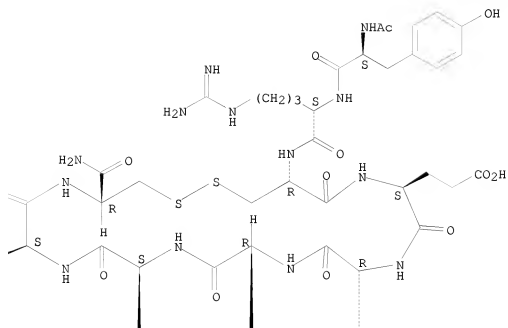
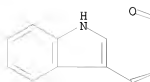


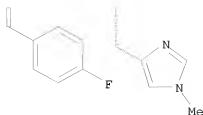
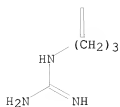
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 490 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN L-Cysteinamide, N-acetyl-L-tyrosyl-L-arginyl-L-cysteinyl-L- α -
 glutamyl-L-methyl-D-histidyl-4-fluoro-D-phenylalanyl-L-arginyl-L-
 tryptophyl-, cyclic (3->9)-disulfide (9CI)
 SQL 9
 MF C61 H80 F N19 O13 S2

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.





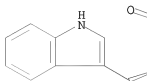
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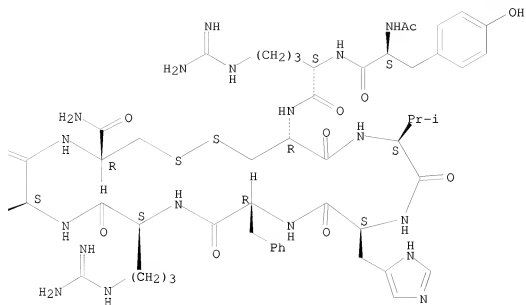
L24 490 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN L-Cysteinamide, N-acetyl-L-tyrosyl-L-arginyl-L-cysteinyl-L-valyl-L-
 histidyl-D-phenylalanyl-L-arginyl-L-tryptophyl-, cyclic
 (3→9)-disulfide (9CI)

SQL 9

MF C60 H81 N19 O11 S2

Absolute stereochemistry.





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

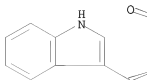
L24 490 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

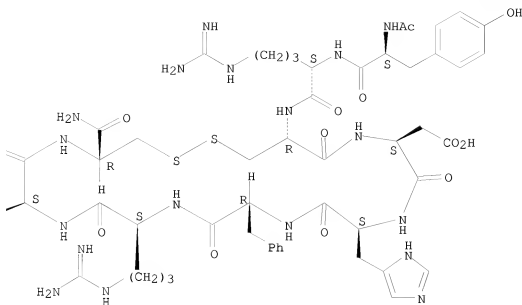
IN L-Cysteinamide, N-acetyl-L-tyrosyl-L-arginyl-L-cysteinyl-L- α -aspartyl-L-histidyl-D-phenylalanyl-L-arginyl-L-tryptophyl-, cyclic (3-9)-disulfide (9CI)

SQL 9

MF C59 H77 N19 O13 S2

Absolute stereochemistry.





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 490 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN L-Cysteinamide, L-phenylalanyl-L-asparaginy-L-tryptophyl-L-arginyl-L-
 cysteinyl-L-cysteinyl-L-leucyl-L-isoleucyl-L-prolyl-L-alanyl-L-cysteinyl-L-
 arginyl-L-arginyl-L-asparaginy-L-histidyl-L-lysyl-L-lysyl-L-lysyl-,
 cyclic (5-11), (6-19)-bis(disulfide) (9CI)
 SQL 19
 MF C102 H163 N37 O21 S4

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 *** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

L24 490 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
 IN L-Cysteinamide, L-phenylalanyl-L-asparaginy-L-tryptophyl-L-arginyl-L-
 cysteinyl-L-cysteinyl-L-alanyl-L-isoleucyl-L-prolyl-L-alanyl-L-cysteinyl-L-
 arginyl-L-arginyl-L-asparaginy-L-histidyl-L-lysyl-L-lysyl-L-phenylalanyl-,
 cyclic (5-11), (6-19)-bis(disulfide) (9CI)
 SQL 19
 MF C102 H154 N36 O21 S4

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 *** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus
 COST IN U.S. DOLLARS
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SINCE FILE	TOTAL
ENTRY	SESSION
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SINCE FILE	TOTAL
ENTRY	SESSION
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FILE COVERS 1907 - 14 Jul 2008 VOL 149 ISS 3
FILE LAST UPDATED: 13 Jul 2008 (20080713/ED)

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=> 124

L25 104 L24

=> d his

(FILE 'HOME' ENTERED AT 08:03:28 ON 14 JUL 2008)

FILE 'REGISTRY' ENTERED AT 08:04:09 ON 14 JUL 2008

FILE 'REGISTRY' ENTERED AT 08:14:42 ON 14 JUL 2008

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L3	0 SEARCH L1 EXACT FULL
L4	STRUCTURE UPLOADED
L5	0 SEARCH L4 SSS SAM
L6	0 SEARCH L4 SSS FULL
L7	STRUCTURE UPLOADED
L8	4 SEARCH L7 SSS SAM
L9	STRUCTURE UPLOADED
L10	4 SEARCH L9 SSS SAM
L11	2858 SEARCH L9 SSS FULL
	SAVE TEMP L11 RAWMSTRSET/A

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L12	653 L11
L13	12764 UROKINASE
L14	26 L12 AND L13
L15	37753 ARG
L16	37753 L15 AND L15
L17	0 L14 AND L15
L18	123282 ARGININE
L19	4 L14 AND L18
	SAVE TEMP L14 FNDREFS/A
	SAVE TEMP ALL URKINSRCH/L

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L20 STRUCTURE UPLOADED
L21 21 SEARCH L20 SSS SAM SUB=L11
E L-GLUTAMAMIDE, 3-(1,1-BIPHENYL)-4-YL-N-((3-CARBOXYPHENYL)M
L22 1 E2

FILE 'CAPLUS' ENTERED AT 13:04:11 ON 14 JUL 2008
L23 1 L22

FILE 'REGISTRY' ENTERED AT 13:08:03 ON 14 JUL 2008
L24 490 SEARCH L20 SSS FULL SUB=L11

FILE 'CAPLUS' ENTERED AT 13:09:12 ON 14 JUL 2008
L25 104 L24

=> l13 and l25
L26 5 L13 AND L25

=> d l26 1-5 ti

L26 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI Fibrin targeted therapeutics, particularly peptidomimetics, their preparation and use in the treatment of thromboembolism, infection, and cancer

L26 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI New substrate analogue inhibitors of factor Xa containing 4-amidinobenzylamide as P1 residue: part 1

L26 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI Design of Novel and Selective Inhibitors of Urokinase-type Plasminogen Activator with Improved Pharmacokinetic Properties for Use as Antimetastatic Agents

L26 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI Use of acylated 4-amidino- and 4-guanidinobenzylamines for inhibition of plasma kallikrein

L26 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI Synthesis of guanidinybenzene-derivative dipeptide conjugate urokinase inhibitors as pharmaceuticals for use in the treatment or diagnosis of metastatic tumors

=> d l26 3-5 ti fbib abs

L26 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN
TI Design of Novel and Selective Inhibitors of Urokinase-type Plasminogen Activator with Improved Pharmacokinetic Properties for Use as Antimetastatic Agents
AN 2004:617178 CAPLUS
DN 141:270994
TI Design of Novel and Selective Inhibitors of Urokinase-type Plasminogen Activator with Improved Pharmacokinetic Properties for Use as Antimetastatic Agents
AU Schweinitz, Andrea; Steinmetzer, Torsten; Banke, Ingo J.; Arlt, Matthias J. E.; Stuerzebecher, Anne; Schuster, Oliver; Geissler, Andreas; Giersiefen, Helmut; Zeslawska, Ewa; Jacob, Uwe; Krueger, Achim; Stuerzebecher, Joerg
CS Curacite Chemistry GmbH, Jena, D-07745, Germany
SO Journal of Biological Chemistry (2004), 279(32), 33613-33622

CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology

DT Journal

LA English

OS CASREACT 141:270994

AB The serine protease urokinase-type plasminogen activator (uPA) interacts with a specific receptor (uPAR) on the surface of various cell types, including tumor cells, and plays a crucial role in pericellular proteolysis. High levels of uPA and uPAR often correlate with poor prognosis of cancer patients. Therefore, the specific inhibition of uPA with small mol. active-site inhibitors is one strategy to decrease the invasive and metastatic activity of tumor cells. The authors have developed a series of highly potent and selective uPA inhibitors with a C-terminal 4-amidinobenzylamide residue. Optimization was directed toward reducing the fast elimination from circulation that was observed with initial analogs. The x-ray structures of three inhibitor/uPA complexes have been solved and were used to improve the inhibition efficacy. One of the most potent and selective derivs., benzylsulfonyl-D-Ser-Ser-4-amidinobenzylamide (inhibitor 26), inhibits uPA with a K_i of 20 nM. This inhibitor was used in a fibrosarcoma model in nude mice using lacZ-tagged human HT1080 cells, to prevent exptl. lung metastasis formation. Compared with control (100%), an inhibitor dose of 2 + 1.5 mg/kg/day reduced the number of exptl. metastases to 4.6±1%. Under these conditions inhibitor 26 also significantly prolonged survival. All mice from the control group died within 43 days after tumor cell inoculation, whereas 50% of mice from the inhibitor-treated group survived more than 117 days. This study demonstrates that the specific inhibition of uPA by these inhibitors may be a useful strategy for the treatment of cancer to prevent metastasis.

RE.CNT 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2008 ACS on SIN

TI Use of acylated 4-amidino- and 4-guanidinobenzylamines for inhibition of plasma kallikrein

AN 2004:605410 CAPLUS

DN 141:150999

TI Use of acylated 4-amidino- and 4-guanidinobenzylamines for inhibition of plasma kallikrein

IN Sturzebecher, Jorg; Steinmetzer, Torsten; Schweinitz, Andrea

PA Curacyste Chemistry GmbH, Germany

SO Ger. Offen., 40 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10301300	A1	20040729	DE 2003-10301300	20030115
AU 2004204358	A1	20040729	AU 2004-204358	20040115
			DE 2003-10301300	A 20030115
			WO 2004-EP247	W 20040115
CA 2513280	A1	20040729	CA 2004-2513280	20040115
			DE 2003-10301300	A 20030115
			WO 2004-EP247	W 20040115
WO 2004062657	A1	20040729	WO 2004-EP247	20040115
WO 2004062657	A8	20050106		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ				
			DE 2003-10301300	A 20030115

EP 1583526	A1	20051012	EP 2004-702332	20040115
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			DE 2003-10301300	A 20030115
			WO 2004-EP247	W 20040115
JP 2006516277	T	20060629	JP 2006-500572	20040115
			DE 2003-10301300	A 20030115
			WO 2004-EP247	W 20040115
US 20060148901	A1	20060706	US 2006-540958	20060103
			DE 2003-10301300	A 20030115
			WO 2004-EP247	W 20040115

AB The invention discloses the use of acylated 4-amidino or 4-guanidinobenzylamines P4-P3-P2-P1 [P4 = single or multiple (un)substituted benzylsulfonyl; P3 = single or multiple (un)substituted, (un)natural α -amino or α -imino acid in D-configuration; P2 = single or multiple (un)substituted, (un)natural α -amino or α -imino acid in L-configuration; P1 = single or multiple (un)substituted 4-amidino or 4-guanidinobenzylamine] for inhibition of plasma kallikrein (PK). The PK inhibitors of the invention are used for prevention of coagulation activation on artificial surfaces and for systemic addition as anticoagulants/antithrombotics, particularly for prevention of the coagulation activation on artificial surfaces, in order to prevent thromboembolic events. Compound preparation is included.

L26 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2008 ACS on STN

TI Synthesis of guanidinybenzene-derivative dipeptide conjugate urokinase inhibitors as pharmaceuticals for use in the treatment or diagnosis of metastatic tumors

AN 2003:737714 CAPLUS

DN 139:246220

TI Synthesis of guanidinybenzene-derivative dipeptide conjugate urokinase inhibitors as pharmaceuticals for use in the treatment or diagnosis of metastatic tumors

IN Sturzebecher, Jorg; Steinmetzer, Torsten; Schweinitz, Andrea

PA Curacys Ag, Germany

SO PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003076391	A2	20030918	WO 2003-EP2489	20030311
	WO 2003076391	A3	20040122		
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	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				DE 2002-10210592	A 20020311
				DE 2002-10245059	A 20020926
				DE 2002-10261435	A 20021228
	DE 10210592	A1	20031002	DE 2002-10210592	20020311
	CA 2478409	A1	20030918	CA 2003-2478409	20030311
				DE 2002-10210592	A 20020311
				DE 2002-10245059	A 20020926
				DE 2002-10261435	A 20021228

AU 2003219039	A1	20030922	WO 2003-EP2489	W	20030311
			AU 2003-219039		20030311
			DE 2002-10210592	A	20020311
			DE 2002-10245059	A	20020926
			DE 2002-10261435	A	20021228
			WO 2003-EP2489	W	20030311
EP 1485345	A2	20041215	EP 2003-714803		20030311
EP 1485345	B1	20080625			
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			DE 2002-10210592	A	20020311
			DE 2002-10245059	A	20020926
			DE 2002-10261435	A	20021228
			WO 2003-EP2489	W	20030311
JP 2005526762	T	20050908	JP 2003-574613		20030311
			DE 2002-10210592	A	20020311
			DE 2002-10245059	A	20020926
			DE 2002-10261435	A	20021228
			WO 2003-EP2489	W	20030311
US 20050176993	A1	20050811	US 2005-506579		20050413
			DE 2002-10210592	A	20020311
			DE 2002-10245059	A	20020926
			DE 2002-10261435	A	20021228
			WO 2003-EP2489	W	20030311

OS MARPAT 139:246220

AB Title compds., [e.g., PhCH2SO2-D-Ser-Ser-NHCH2-4-C6H4-C(:NH)NH2 (I)], were prepared and tested as urokinase inhibitors, for use in the prophylaxis and diagnosis of a tumor and for reducing the formation of tumor metastases. Thus, (H3C)3COC(O)-Ser(CH2PH)-OH was reacted with H2NCH2-4-C6H4-C(:NH)NH2.HCl, the amine protecting group removed, and the intermediate reacted with PhCH2SO2-D-Ser(C(CH3)3)-OH; the intermediate protected dipeptide was purified by isolation as first the acetate salt, then the trifluoroacetate salt, in a final yield of 24.64%. In in vivo tests against fibrosarcoma using white mice, after 22 days I reduced metastatic lung tumors by 4.6%, compared with a control group.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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STN INTERNATIONAL SESSION SUSPENDED AT 13:11:02 ON 14 JUL 2008